Contents of volume 56

No. 1: pp 1–126 issued January 12, 1987
No. 2: pp 127–244 issued February 20, 1987
No. 3: pp 245–374 issued March 03, 1987
No. 4: pp 375–494 issued July 01, 1987
No. 5: pp 495–618 issued August 04, 1987
No. 6: pp 619–736 issued September 09, 1987

Aizawa, Y., see Hashimoto, K., et al. 38
Alderman, E. L., see Magder, S. A., et al. 467
Alén, M., see Häkkinen, K., et al. 419
Allevard, A. M., see Ghaemmaghami, F., et al. 1
Alway, S. E., Hughson, R. L., Green, H. J., Patla, A. E., Frank, J. S.: Twitch potentiation after fatiguing exercise in man 461
Andersen, L. B., Henckel, P.: Maximal voluntary isometric strength in Danish adolescents 16—19 years of age 83
Andersen, L. B., Henckel, P., Saltin, B.: Maximal oxygen uptake in Danish adolescents 16—19 years of age 74
Apple, F. S., Rogers, M. A., Casal, D. C., Lewis, L., Ivy, J. L., Lampe, J. W.: Skeletal muscle creatine kinase MB alterations in women marathon runners 49
Armstrong, L. E., Hubbard, R. W., DeLuca, J. P., Christensen, E. L., Kraemer, W. J.: Evaluation of a temperate environment test to predict heat tolerance 384
Auzeby, A., see Clodoré, M., et al. 403

Bacharach, D. W., see Moritani, T., et al. 30
Banister, E. W., see Mekjavik, I. B., et al. 619
Bar-Yishay, E., see Vilozni, D., et al. 433
Bassey, E. J., Dallosso, H. M., Fentem, P. H., Irving, J. M., Patrick, J. M.: Validation of a simple mechanical accelerometer (pedometer) for the estimation of walking activity 323
Baulay, A., see Mougin, C., et al. 281
Baulay, A., see Wolf, J. P., et al. 345
Beardsmore, C. S., see Vilozni, D., et al. 433
Bejaoui, K., Bozec, S. Le, Maton, B.: Modulation of slow and fast elbow extensor EMG tonic activity by stretch reflexes in man 97
Bélanger, A. Y., see Gravel, D., et al. 623
Belcastro, A. N., see Lovlin, R., et al. 313
Benoit, O., see Clodoré, M., et al. 403
Berry, M. J., see Moritani, T., et al. 30
Berthelay, S., see Mougin, C., et al. 281
Berthelay, S., see Wolf, J. P., et al. 345
Beyer, H., see Seidel, H., et al. 592
Bhagia, L. J., see Rathod, R. A., et al. 58
Bharadwaj, H., see Zachariah, T., et al. 570
Bodemann, H. H., Irmer, M., Schlüter, K. J., Reininghaus, M., Keul, J.: Activation of sodium transport in human erythrocytes by β-adrenoceptor stimulation in vivo 375
Bonneau, M.-C., see Lavoie, J.-M., et al. 109
Borg, C., Hassmén, P., Lagerström, M.: Perceived exertion related to heart rate and blood lactate during arm and leg exercise 679
Bosco, C., Montanari, G., Ribacchi, R., Giovenali, P., Latteri, F., Iachelli, G., Faina, M., Colli, R., Dal Monte, A., La Rosa, M., Cortili, G., Saibene, F.: Relationship between the efficiency of muscular work during jumping and the energetics of running 138
Bosco, C., see Rusko, H. 412
Bouard, G., see Clodoré, M., et al. 403
Bouchard, C., see Poehlman, E. T., et al 398
Bouchard, C., see Simoneau, J.-A., et al. 516
Boulay, M. R., see Simoneau, J.-A., et al. 516
Bourdon, P. C., see Withers, R. T., et al. 191
Bozec, S. Le., see Bejaoui, K., et al. 97
Bräuer, D., see Seidel, H., et al. 592
Bratteby, L.-E., see Sunnegårdh, J. 266
Brinnel, H., Nagasaka, T., Cabanac, M.: Enhanced brain protection during passive hyperthermia in humans 540
Brinnel, H., see Cabanac, M., et al. 534
Brisson, G. R., see Lavoie, J.-M., et al. 109
Brooks, G. A., see Stanley, W. C., et al. 299
Bunc, V., see Šprynarová, Š., et al. 725

Cabanac, M., Germain, M., Brinnel, H.: Tympanic temperatures during hemiface cooling 534
Cabanac, M., see Brinnel, H., et al. 540
Candas, V., see Mairiaux, Ph., et al. 686
Carette, G., see Grucza, R., et al. 317
Casal, D. C., see Apple, F. S., et al. 49
Casey, K., see VanHelder, W. P., et al. 628
Cedercreutz, G., see Nygård, C.-H., et al. 555
Chatterjee, B. B., see Rathod, R. A., et al. 58
Chen, J. D., see Stanley, W. C., et al. 299
Chida, M., see Yoshida, T., et al. 7
Christensen, E. L., see Armstrong, L. E., et al. 384
Clarc, F. C., see Weiss, L. W. 217
Clarkson, P. M., see Graves, J. E., et al. 657
Cléroux, J., Péronnet, F., de Champlain, J.: Effects of exercise training on plasma catecholamines and blood pressure in labile hypertensive subjets 550
Clodoré, M., Benoit, O., Foret, J., Touitou, Y., Touron, N., Bouard, G., Auzeby, A.: Early rising or delayed bedtime: which is better for a short night's sleep? 403
Colli, R., see Bosco, C., et al. 138
Collins, M. A., see Hill, D. W., et al. 201
Cooke, C., see Cunningham, D. A., et al. 24
Cooper, M., see Greig, C., et al. 457
Cortili, G., see Bosco, C., et al. 138
Costill, D. L., see Fielding, R. A., et al. 225
Cottle, W., see Lovlin, R., et al. 313
Craig, N. P., see Withers, R. T., et al. 181, 191
Crockett, A., see Withers, R. T., et al. 169
Cunningham, D. A., Morrison, D., Rice, C. L., Cooke, C.: Ageing and isokinetic plantar flexion 24
Cureton, K. J., see Hill, D. W., et al. 201

Dal Monte, A., see Bosco, C., et al. 138
Dallosso, H. M., see Bassey, E. J., et al. 323
Daughters, G. T., see Magder, S. A., et al. 467
Davies, B. L., see Eston, R. G., et al. 222
Davies, C. T. M., Rutherford, I. C., Thomas, D. O.: Electrically evoked contractions of the triceps surae during and following 21 days of voluntary leg immobilization 306
Davis, G. M., see Plyley, M. J., et al. 338
Davis, G. M., Shephard, R. J., Leenen, F. H. H.: Cardiac effects of short term arm crank training in paraplegics: echocardiographic evidence 90

de Boer, R. W., Vos, E., Hutter, W., de Groot, G., van Ingen Schenau, G. J.: Physiological and biomechanical comparison of roller skating and speed skating on ice 562
de Champlain, J., see Cléroux, J., et al. 550
de Groot, G., see Toussaint, H. M., et al. 363
de Grot, G., see de Boer, R. W., et al. 562
de Montigny, L., see Duchateau, J., et al. 287
DeLuca, J. P., see Armstrong, L. E., et al. 384
Desplanches, R., see Ghaemmaghami, F., et al. 1
Dolan, P., see Sargeant, A. J. 704
Duchateau, J., de Montigny, L., Hainaut, K.: Electro-mechanical failures and lactate production during fatigue 287
Dumoulin, G., see Wolf, J. P., et al. 345
Dyhre-Poulsen, P.: An analysis of splits leaps and gymnastic skill by physiological recordings 390

Eiken, O., see Mekjavik, I. B., et al. 619
Ellis, M. W., see Withers, R. T., et al. 169
Englund, C. E., see Marcinik, E. J., et al. 132
Epstein, Y., Stroschein, L. A., Pandolf, K. B.: Predicting metabolic cost of running with and without backpack loads 495
Erikssen, J., see Mundal, R., et al. 245
Eßfeld, D., Hoffmann, U., Stegemann, J.: $\dot{V}_{O_2}$ kinetics in subjects differing in aerobic capacity: investigation by spectral analysis 508
Eston, R. G., Davies, B. L., Williams, J. G.: Use of perceived effort ratings to control exercise intensity in young healthy adults 222
Evans, W. J., see Knapik, J. J., et al. 428

Faina, M., see Bosco, C., et al. 138
Favier, R., see Ghaemmaghami, F., et al. 1
Felts, W. M., see Yates, J. W., et al. 662
Fenn, C. E., see Maughan, R. J., et al. 356, 583
Fentem, P. H., see Bassey, E. J., et al. 323
Fielding, R. A., Costill, D. L., Fink, W. J., King, D. S., Kovaleski, J. E., Kirwan, P.: Effects of pre-exercise carbohydrate feedings on muscle glycogen use during exercise in well-trained runners 225
Finch, K. M., see Greig, C., et al. 457
Fink, W. J., see Fielding, R. A., et al. 225
Foret, J., see Clodoré, M., et al. 403
Forte, C. A., see Greig, C., et al. 457
Foster, C. V. L., Harris, R. C.: Formation of acetylcarnitine in muscle of horse during high intensity exercise 639
Frank, J. S., see Alway, S. E., et al. 461
Freude, G., Ullsperger, P.: Changes in Bereitschaftspotential during fatiguing and non-fatiguing hand movements 105
Frim, J., see Livingstone, S. D., et al. 120
Frim, J., see Romet, T. T. 633

Gaeta, H., see Hopkins, W. G., et al. 69
Gaillard, R. C., see Mougin, C., et al. 281
Gass, G. C., see Morton, R. H. 367
Gauquelin, G., see Ghaemmaghami, F., et al. 1
Germain, M., see Cabanac, M., et al. 534
Ghaemmaghami, F., Gauquelin, G., Gharib, C., Yoccoz, D., Desplanches, D., Favier, R., Allevard, A. M.: Effects of treadmill running and swimming on plasma and brain vasopressin levels in rats 1
Gharib, C., see Ghaemmaghami, F., et al. 1
Giovenali, P., see Bosco, C., et al. 138
Gleeson, M., see Greenhaff, P. L., et al. 331, 444
Gleeson, M., see Maughan, R. J., et al. 356, 583
Godfrey, S., see Vilozni, D., et al. 433
Golden, J. C., see Miles D. S., et al. 12
Goode, R. C., see Plyley, M. J., et al. 338
Gordon, N. F., van Rensburg, J. P., Schwellnus, M. P.: Isoproterenol sensitivity in heat tolerant and relatively heat intolerant men 546
Gotshall, R. W., see Miles D. S., et al. 12
Goubel, F., see Helal, J. N., et al. 643
Gravel, D., Bélanger, A. Y., Richards, C. L.: Study of human muscle contraction using electrically evoked twitch responses during passive shortening and lengthening movements 623
Graves, J. E., Clarkson, P. M., Litchfield, P., Kirwan, J. P., Norton, J. P.: Serum creatine kinase activity following repeated bouts of isometric exercise with different muscle groups 657
Green, H. J., see Alway, S. E., et al. 461
Greenhaff, P. L., Gleeson, M., Maughan, R. J.: The effects of dietary manipulation on blood acid-base status and the performance of high intensity exercise 331
Greenhaff, P. L., Gleeson, M., Whiting, P. H., Maughan, R. J.: Dietary composition and acid-base status: limiting factors in the performance of maximal exercise in man? 444
Greenhaff, P. L., McCormick, K., Maughan, R. J.: The metabolic response to prolonged walking in fed and fasted men 115
Greenhaff, P. L., see Maughan, R. J., et al. 583
Greenleaf, J. E., see Hinghofer-Szalkay, H., et al. 673
Greig, C., Finch, K. M., Jones, D. A., Cooper, M., Sargeant, A. J., Forte, C. A.: The effect of oral supplementation with L-carnitine on maximum and submaximun exercise capacity 457
Grisham, S. C., see Hill, D. W., et al. 201
Grucza, R., Lecroart, J.-L., Carette, G., Hauser, J.-J., Houdas, Y.: Effect of voluntary dehydration on thermoregulatory responses to heat in men and women 317
Grucza, R., Szczypaczewska, M., Kozłowski, S.: Thermoregulation in hyperhydrated men during physical exercise 603
Guezennec, C. Y., see Helal, J. N., et al. 643

Häkkinen, K., Komi, P. V., Alén, M., Kauhanen, H.: EMG, muscle fibre and force production characteristics during a 1 year training period in elite weight-lifters 419
Haenen, H. T. M., see Zwarts, M. J., et al. 212
Härkönen, M., see Hirvonen, J., et al. 253
Hainaut, K., see Duchateau, J., et al. 287
Harris, R. C., see Foster, C. V. L. 639
Harrison, M. H., see Hinghofer-Szalkay, H., et al. 673
Hartland, M. C., see Withers, R. T., et al. 181
Hashimoto, K., Aizawa, Y., Mori, K.: Changes in blood pressure, body weight and urinary catecholamines during austerities 38
Hassmén, P., see Borg, C., et al. 679
Haton, D., see Mougin, C., et al. 281
Hauser, J.-J., see Grucza, R., et al. 317
Heising, M., Werner, J.: Control of sweating in man after work-induced thermal load and symmetrically applied cooling 608
Helal, J. N., Guezennec, C. Y., Goubel, F.: The aerobic-anaerobic transition: re-examination of the threshold concept including an electromyographic approach 643
Hélie, R., see Lavoie, J.-M., et al. 109
Heller, J., see Vandewalle, H., et al. 650
Henckel, P., see Andersen L. B. 74

Henckel, P., see Andersen L. B., et al. 74
Henriet, M. T., see Mougin, C., et al. 281
Hikrashita, M., see Hirata, K., et al. 43
Hill, D. W., Cureton, K. J., Grisham, S. C., Collins, M. A.: Effect of training on the rating of perceived exertion at the ventilatory threshold 206
Hill, P. McN., see Hopkins, W. G., et al. 69
Hinghofer-Szalkay, H., Harrison, M. H. Greenleaf, J. E.: Early fluid and protein shifts in men during water immersion 673
Hirai, A., see Hirata, K., et al. 43
Hirata, K., Nagasaka, T., Nunomura, T., Hirai, A., Hirashita, M.: Effects of facial fanning on local exercise performance and thermoregulatory responses during hyperthermia 43
Hirvonen, J., Rehunen, S., Rusko, H., Härkönen, M.: Breakdown of high-energy phosphate compounds and lactate accumulation during short supramaximal exercise 253
Hodgon, J. A., see Marcinik, E. J., et al. 132
Hoffmann, U., see Eßfeld, D., et al. 508
Hollander, A. P., see Toussaint, H. M., et al. 353
Honda, Y., see Nishibayashi, Y., et al. 144
Hopkins, W. G., Gaeta, H., Thomas, A. C., Hill, P. McN.: Physical fitness of blind and sighted children 69
Horita, T., Ishiko, T.: Relationships between muscle lactate accumulation and surface EMG activities during isokinetic contractions in man 18
Horvath, S. M., see Taguchi, S. 53
Houdas, Y., see Grucza, R., et al. 317
Hubbard, R. W., see Armstrong, L. E., et al. 384
Hughson, R. L., see Alway, S. E., et al. 461
Hung, J., see Magder, S. A., et al. 467
Hutter, W., see de Boer, R. W., et al. 562

Iachelli, G., see Bosco, C., et al. 138
Ichioka, M., see Yoshida, T., et al. 7
Ilmarinen, J., see Nygård, C.-H., et al. 555
Ilmarinen, R., see Smolander, J., et al. 273
Ingels Jr., N. B., see Magder, S. A., et al. 467
Inoue, Y., Nakao, M., Murakami, H.: Improved estimation of total oxygen uptake in exercise by evaluation of aerobic fitnes 157
Irmer, M., see Bodemann, H. H., et al. 375
Irving, J. M., see Bassey, E. J., et al. 323
Ishiko, T., see Horita, T. 18
Ivy, J. L., see Apple, F. S., et al. 49

Jacquier, M. C., see Mougin, C., et al. 281
Jones, B. H., see Knapik, J. J., et al. 428
Jones, D. A., see Greig, C., et al. 457
Juntunen, J., see Matikainen, E., et al. 440

Kaciuba-Uściłko, H., see Kruk, B., et al. 577
Kakizaki, T.: Occipital midline EEG and subjective rating of task difficulty as indices of mental task strain 163
Katagade, V. L., see Rathod, R. A., et al. 58
Kauhanen, H., see Häkkinen, K., et al. 419
Kavanagh, M., see Lovlin, R., et al. 313
Kearney, J. T., see Yates, J. W., et al. 662
Keul, J., see Bodemann, H. H., et al. 375
Kimura, H., see Nishibayashi, Y., et al. 144
Kindermann, W., see Kullmer, T., et al. 292
Kindermann, W., see Urhausen, A., et al. 528
King, D. S., see Fielding, R. A., et al. 225
Kirwan, J. P., see Graves, J. E., et al. 657
Kirwan, P., see Fielding, R. A., et al. 225
Kishnani, S., see Zachariah, T., et al. 570
Knapik, J. J., Jones, B. H., Meredith, C., Evans, W. J.: Influence of a 3.5 day fast on physical performance 428
Kobayashi, H., see Yamamoto, Y., et al. 522
Kolari, P., see Smolander, J., et al. 273
Komi, P. V., see Häkkinen, K., et al. 419
Korhonen, O., see Smolander, J., et al. 273
Kovaleski, J. E., see Fielding, R. A., et al. 225
Kozłowski, S., see Grucza, R., et al. 603
Kozłowski, S., see Kruk, B., et al. 577
Kraemer, W. J., see Armstrong, L. E., et al. 384
Kruk, B., Nazar, K., Kaciuba-Uściłko, H., Kozłowski, S.: Enhanced glucose availability for working muscles reduces exercise hyperthermia in dogs 577
Kullmer, T., Kindermann, W., Singer, M.: Effects on physical performance of intrinsic sympathomimetic activity (ISA) during selective β_1-blockade 292
Kullmer, T., see Urhausen, A., et al. 528
Kumagai, S., see Shindo, M., et al. 501

La Forgia, J., see Withers, R. T., et al. 169
La Rosa, M., see Bosco, C., et al. 138
Lagerström, M., see Borg, C., et al. 679
Lampe, J. W., see Apple, F. S., et al. 49
Landjerit, B., see Maton, B., et al. 487
LaPrairie, A., see Mekjavik, I. B., et al. 619
Latteri, F., see Bosco, C., et al. 138
Lavoie, J.-M., Bonneau, M.-C., Roy, J.-Y., Brisson, G. R., Hélie, R.: Effects of dietary manipulations on blood glucose and hormonal responses following supramaximal exercise 109
Le Bozec, S., Maton, B.: Differences between motor unit firing rate, twitch characteristics and fibre type composition in an agonistic muscle group in man 350
Lecroart, J.-L., see Grucza, R., et al. 317
Lee, W. R., see Stanley, W. C., et al. 299
Leenen, F. H. H., see Davis, G. M., et al. 90
Legg, S. J., Patton, J. F.: Effects of sustained manual work and partial sleep deprivation on muscular strength and endurance 64
Leinonen, H., see Matikainen, E., et al. 440
Leiper, J. B., see Maughan, R. J., et al. 356, 583
Lewis, L., see Apple, F. S., et al. 49
Lie, I., Watten, G.: Oculomotor factors in the aetiology of occupational cervicobrachial diseases (OCD) 151
Limmer, R. E., see Livingstone, S. D., et al. 120
Lind, A. R., see Williams, C. A. 230
Litchfield, P., see Graves, J. E., et al. 657
Livingstone, S. D., Nolan, R. W., Frim, J., Reed, L. D., Limmer, R. E.: A thermographic study of the effect of body composition and ambient temperature on the accuracy of mean skin temperature calculations 120
Lortie, G., see Simoneau, J.-A., et al. 516
Lovlin, R., Cottle, W., Pyke, I., Kavanagh, M., Belcastro, A. N.: Are indices of free radical damange related to exercise intensity 313
Luopajärvi, T., see Nygård, C.-H., et al. 555

Magder, S. A., Daughters, G. T., Hung, J., Alderman, E. L., Ingels Jr., N. B.: Adaptation of human left ventricular volumes to the onset of supine exercise 467
Mairiaux, Ph., Malchaire, J., Candas, V.: Prediction of mean skin temperature in warm environments 686
Malchaire, J., see Mairiaux, Ph., et al. 686
Marcinik, E. J., Hodgon, J. A., Englund, C. E., O'Brien, J. J.: Changes in fitness and shipboard task performance following circuit weight training programs featuring continuous or interval running 132

Marcotte, M., see Poehlman, E. T., et al 398
Marcotte, M., see Simoneau, J.-A., et al. 516
Maruyama, R., see Nishibayashi, Y., et al. 144
Masuyama, H., see Nishibayashi, Y., et al. 144
Matikainen, E., Leinonen, H., Juntunen, J., Seppäläinen, A.-M.: The effect of exposure to high and low frequency hand-arm vibration on finger systolic pressure 440
Maton, B., Peres, G., Landjerit, B.: Relationships between individual isometric muscle forces, EMG activity and joint torque monkeys 487
Maton, B., see Bejaoui, K., et al. 97
Maton, B., see Le Bozec, S. 350
Maughan, R. J., Fenn, C. E., Gleeson, M., Leiper, J. B.: Metabolic and circulatory responses to the ingestion of glucose polymer and glucose/electrolyte solutions during exercise in man 356
Maughan, R. J., Greenhaff, P. L., Gleeson, M., Fenn, C. E., Leiper, J. B.: The effect of dietary carbohydrate intake on the metabolic response to prolonged walking on consecutive days 583
Maughan, R. J., see Greenhaff, P. L., et al. 115, 331, 444
Maughan, R. J., see Skinner, E. R., et al. 451
McCormick, K., see Greenhaff, P. L., et al. 115
Mekjavik, I. B., Eiken, O., LaPrairie, A., Banister, E. W.: The pattern of breathing during hypoxic exercise 619
Meredith, C., see Knapik, J. J., et al. 428
Meulemans, A., see Toussaint, H. M., et al. 363
Miles, D. S., Owens, J. J., Golden, J. C., Gotshall, R. W.: Central and peripheral hemodynamics during maximal leg extension exercise 12
Miyashita, M., see Yamamoto, Y., et al. 522
Monod, H., see Vandewalle, H., et al. 650
Montanari, G., see Bosco, C., et al. 138
Mori, K., see Hashimoto, K., et al. 38
Moritani, T., Berry, M. J., Bacharach, D. W., Nakamura, E.: Gas exchange parameters, muscle blood flow and electromechanical properties of the plantar flexors 30
Moritani, T., Muro, M.: Motor unit activity and surface electromyogram power spectrum during increasing force of contraction 260
Moritani, T., see Tanaka, K., et al. 699
Moroz, J. R., see Vandervoort, A. A., et al. 201
Morrison, D., see Cunningham, D. A., et al. 24
Morton, R. H., Gass, G. C.: A systems model approach to the ventilatory anaerobic threshold 367
Mougin, C., Baulay, A., Henriet, M. T., Haton, D., Jacquier, M. C., Turnill, D., Berthelay, S., Gaillard, R. C.: Assessment of plasma opioid peptides, β-endorphin and met-enkephalin, at the end of an international nordic ski race 281
Mundal, R., Erikssen, J., Rodahl, K.: Assessment of physical activity by questionnaire and personal interview with particular reference to fitness and coronary mortality 245
Murakami, H., see Inoue, Y., et al. 157
Muro, M., see Moritani, T. 260
Mutoh, Y., see Yamamoto, Y., et al. 522

Nagasaka, T., see Brinnel, H., et al. 540
Nagasaka, T., see Hirata, K., et al. 43
Nakadomo, F., see Tanaka, K., et al. 699
Nakamura, E., see Moritani, T., et al. 30
Nakao, M., see Inoue, Y., et al. 157
Nazar, K., see Kruk, B., et al. 577
Nguyen, N. U., see Wolf, J. P., et al. 345
Nielsen, B.: Does diet-induced thermogenesis change the preferred ambient temperature of humans? 474
Nishibayashi, Y., Kimura, H., Maruyama, R., Ohyabu, Y., Masuyama, H., Honda, Y.: Differences in ventilatory responses to hypoxia and hypercapnia between normal and judo athletes with moderate obesity 144
Nolan, R. W., see Livingstone, S. D., et al. 120
Noland, M. P., see Yates, J. W., et al. 662
Norton, J. P., see Graves, J. E., et al. 657
Norton, K. I., see Withers, R. T., et al. 169, 181, 191
Nunomura, T., see Hirata, K., et al. 43
Nygård, C.-H., Luopajärvi, T., Cedercreutz, G., Ilmarinen, J.: Musculoskeletal capacity of employees aged 44 to 58 years in physical, mental and mixed types of work 555

O'Brien, J. J., see Marcinik, E. J., et al. 132
Ohyabu, Y., see Nishibayashi, Y., et al. 144
Okada, M.: Effect of muscle length on surface EMG wave forms in isometric contractions 482
Owens, J. J., see Miles D. S., et al. 12

Pandolf, K. B., see Epstein, Y., et al. 495
Pandya, G. L., see Rathod, R. A., et al. 58
Panel, J., see Vandewalle, H., et al. 650
Parikh, D. J., see Rathod, R. A., et al. 58
Pařizková, J., see V. Šprynarová, Š., et al. 725
Patla, A. E., see Alway, S. E., et al. 461
Patla, A. E., see Sirin, A. V. 238
Patrick, J. M., see Bassey, E. J., et al. 323
Patton, J. F., see Legg, S. J. 64
Peres, G., see Maton, B., et al. 487
Peres, G., see Vandewalle, H., et al. 650
Péronnet, F., see Cléroux, J., et al. 550
Pérusse, L., see Poehlman, E. T., et al 398
Pierrynowski, M. R., Tüdus, P. M., Plyley, M. J.: Effects of downhill or uphill training prior to a downhill run 668
Plyley, M. J., see Pierrynowski, M. R., et al. 668
Plyley, M. J., Shephard, R. J., Davis, G. M., Goode, R. C.: Sleep deprivation and cardiorespiratory function. Influence of intermittent submaximal exercise 338
Poehlman, E. T., Tremblay, A., Marcotte, M., Pérusse, L., Thériault, G., Bouchard, C.: Heredity and changes in body composition and adipose tissue metabolism after short-term exercise-training 398
Pramanik, S. N., see Zachariah, T., et al. 570
Pyke, I., see Lovlin, R., et al. 313

Radomski, M. W., see VanHelder, W. P., et al. 628
Rai, R. M., see Zachariah, T., et al. 570
Rathod, R. A., Bhagia, L. J., Pandya, G. L., Katagade, V. L., Parikh, D. J., Chatterjee, B. B.: Thermal stress and physiological strain in the glass bangle industry 58
Rawal, S. B., see Zachariah, T., et al. 570
Reed, L. D., see Livingstone, S. D., et al. 120
Rehunen, S., see Hirvonen, J., et al. 253
Reininghaus, M., see Bodemann, H. H., et al. 375
Ribacchi, R., see Bosco, C., et al. 138
Rice, C. L., see Cunningham, D. A., et al. 24
Richards, C. L., see Gravel, D., et al. 623
Rodahl, K., see Mundal, R., et al. 245
Rogers, M. A., see Apple, F. S., et al. 49
Romet, T. T., Frim, J.: Physiological responses to fire fighting activities 633
Roy, J.-Y., see Lavoie, J.-M., et al. 109
Rusko, H., Bosco, C.: Metabolic response of endurance athletes to training with added load 412
Rusko, H., see Hirvonen, J., et al. 253
Rutherford, I. C., see Davies, C. T. M., et al. 306

Saibene, F., see Bosco, C., et al. 138
Sale, D. G., see Vandervoort, A. A., et al. 201
Saltin, B., see Andersen, L. B., et al. 74
Sargeant, A. J., Dolan, P.: Human muscle function following prolonged eccentric exercise 704
Sargeant, A. J.: Effect of muscle temperature on leg extension force and short-term power output in humans 693
Sargeant, A. J., see Greig, C., et al. 457
Schlüter, K. J., see Bodemann, H. H., et al. 375
Schreurs, A. W., see Toussaint, H. M., et al. 363
Schwellnus, M. P., see Gordon, N. F., et al. 546
Seidel, H., Beyer, H., Bräuer, D.: Electromyographic evaluation of back muscle fatigue with repeated sustained contractions of different strengths 592
Seppäläinen, A.-M., see Matikainen, E., et al. 440
Shephard, R. J., see Davis, G. M., et al. 90
Shephard, R. J., see Plyley, M. J., et al. 338
Shindo, M., Kumagai, S., Tanaka, H.: Physikal work capacity and effect of endurance training in visually handicapped boys and young male adults 501
Shochina, M., see Vilozni, D., et al. 433
Simoneau, J.-A., Lortie, G., Boulay, M. R., Marcotte, M., Thibault, M.-C., Bouchard, C.: Effects of two high-intensity intermittent training programms interspaced by detraining on human skeletal muscle and performance 516
Singer, M., see Kullmer, T., et al. 292
Singh, M. V., see Zachariah, T., et al. 570
Sirin, A. V., Patla, A. E.: Myoelectric changes in the triceps surae muscles under sustained contractions. Evidence for synergism 238
Skinner, E. R., Watt, C., Maughan, R. J.: The acute effect of marathon running on plasma lipoproteins in female subjects 451
Smolander, J., Kolari, P., Korhonen, O., Ilmarinen, R.: Skin blood flow during incremental exercise in a thermoneutral and a hot dry environment 273
Šprynarová, Š., Pařízková, J., Bunc, V.: Relationships between body dimensions and resting and working oxygen consumption in boys aged 11 to 18 years 725
Šprynarová, Š.: The influence of training on physical and functional growth before, during and after puberty 719
Stanley, W. C., Chen, J. D., Lee, W. R., Brooks, G. A.: Ventilatory control studied with circulatory occlusion during exercise recovery 299
Staszkiewicz, Małgorzata, see Zahorska-Markiewicz, B. 479
Stegemann, J., see Eßfeld, D., et al. 508
Stroschein, L. A., see Epstein, Y., et al. 495
Suda, Y., see Yoshida, T., et al. 7
Sundberg, S.: Noninvasive, automatic 24-h ambulatory blood pressure monitoring in normotensive subjects 381
Sunnegårdh, J., Bratteby, L.-E.: Maximal oxygen uptake, anthropometry and physical activity in a randomly selected sample of 8 and 13 year old children in Sweden 266
Szczypaczewska, M., see Grucza, R., et al. 603

Taguchi, S., Horvath, S. M.: Metabolic responses to light arm and leg exercise when sitting 53
Tamaki, N.: Effect of endurance training on muscle fiber type composition and capillary supply in rat diaphragm 127
Tanaka, H., see Shindo, M., et al. 501
Tanaka, K., Nakadomo, F., Moritani, T.: Effects of standing cycling and the use of toe stirrups on maximal oxygen uptake 699
Thériault, G., see Poehlman, E. T., et al 398
Thibault, M.-C., see Simoneau, J.-A., et al. 516
Thomas, A. C., see Hopkins, W. G., et al. 69
Thomas, D. O., see Davies, C. T. M., et al. 306
Touitou, Y., see Clodoré, M., et al. 403
Toussaint, H. M., Meulemans, A., de Groot, G., Hollander, A. P., Schreurs, A. W., Vervoorn, K.: Respiratory valve for oxygen uptake measurements during swimming 363
Tremblay, A., see Poehlman, E. T., et al 398
Tüdus, P. M., see Pierrynowski, M. R., et al. 668
Tuoron, N., see Clodoré, M., et al. 403
Turnill, D., see Mougin, C., et al. 281

Ullsperger, P., see Freude, G. 105
Urhausen, A., Kullmer, T., Kindermann, W.: A 7-week follow-up study of the behaviour of testosterone and cortisol during the competition period in rowers 528

van Baak, M. A., see Verstappen, F. T. J. 712
van Ingen Schenau, G. J., see de Boer, R. W., et al. 562
van Rensburg, J. P., see Gordon, N. F., et al. 546
Van Weerden, T. W., see Zwarts, M. J., et al. 212
Vandervoort, A. A., Sale, D. G., Moroz, J. R.: Strengthvelocity relationship and fatiguability of unilateral versus bilateral arm extension 201
Vandewalle, H., Peres, G., Heller, J., Panel, J., Monod, H.: Force-velocity relationship and maximal power on a cycle ergometer. Correlation with the height of a vertical jump 650
VanHelder, W. P., Casey, K., Radomski, M. W.: Regulation of growth hormone during exercise by oxygen demand and availability 628
Venables, W., see Withers, R. T., et al. 181
Verstappen, F. T. J., van Baak, M. A.: Exercise capacity, energy metabolism, and beta-adrenoceptor blockade. Comparison between a $beta_1$-selective and a non-selective beta blocker 712
Vervoorn, K., see Toussaint, H. M., et al. 363
Vilozni, D., Bar-Yishay, E., Beardsmore, C. S., Shochina, M., Wolf, E., Godfrey, S.: A non-invasive method for measuring inspiratory muscle fatigue during progressive isocapnic hyperventilation in man 433
Vos, E., see de Boer, R. W., et al. 562

Watt, C., see Skinner, E. R., et al. 451
Watten, G., see Lie, I. 151
Weiss, L. W., Clarc, F. C.: Three protocols for measuring subcutaneous fat thickness on the upper extremities 217
Werner, J., see Heising, M. 608
Whiting, P. H., see Greenhaff, P. L., et al. 444
Whittingham, N. O., see Withers, R. T., et al. 169
Williams, C. A., Lind, A. R.: The influence of straining maneuvers on the pressor response during isometric exercise 230
Williams, J. G., see Eston, R. G., et al. 222
Withers R. T., Craig, N. P., Bourdon, P. C., Norton, K. I.: Relative body fat and anthropometric prediction of body density of male athletes 191
Withers, R. T., Norton, K. I., Craig, N. P., Hartland, M. C., Venables, W.: The relative body fat and anthropometric prediction of body density of South Australian females aged 17—35 years 181

Withers, R. T., Whittingham, N. O., Norton, K. I., La Forgia, J., Ellis, M. W., Crockett, A.: Relative body fat and anthropometric prediction of body density of female athletes 169
Wolf, E., see Vilozni, D., et al. 433
Wolf, J. P., Nguyen, N. U., Dumoulin, G., Baulay, A., Berthelay, S.: Relative effects of the supine posture and of immersion on the renin aldosterone system at rest and during exercise 345

Yamamoto, Y., Mutoh, Y., Kobayashi, H., Miyashita, M.: Effects of reduced frequency breathing on arterial hypoxemia during exercise 522
Yates, J. W., Kearney, J. T., Noland, M. P., Felts, W. M.: Recovery of dynamic muscular endurance 662
Yoccoz, D., see Ghaemmaghami, F., et al. 1

Erratum 615

Acknowledgement to referees 737

Yoshida T., Chida, M., Ichioka, M., Suda, Y.: Blood lactate parameters related to aerobic capacity and endurance performance 7

Zachariah, T., Rawal, S. B., Pramanik, S. N., Singh, M. V., Kishnani, S., Bharadwaj, H., Rai, R. M.: Variations in skinfold thickness during de-acclimatisation and re-acclimatisation to high altitude. Relation to body fat content 570
Zahorska-Markiewicz, B., Małgorzata Staszkiewicz: Body temperature set-point and the conscious perception of skin temperature in obese women 479
Zwarts, M. J., Van Weerden, T. W., Haenen, H. T. M.: Relationship between average muscle fibre conduction velocity and EMG power spectra during isometric contraction, recovery and applied ischemia 212